

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0023] beginning on page 5, as follows:

[0023] ~~When~~ Referring to Figure 5, when an interrupt is generated 112, the software decides 114 what type of interrupt occurred and reacts accordingly. An interrupt is generated from two different sources according to the present invention. A capture and compare interrupt and a timer overflow interrupt. For a capture and compare interrupt generated by a match between the timer and the duty cycle register, the program generates the PWM signals 116 as defined by the PWM generation table. In the event the interrupt is a result of the timer overflow 118, the program resets the ports and returns to the beginning of the PWM generation table 120. Finally, the exit routine is exited 122.

Please amend paragraph [0028] beginning on page 7, as follows:

[0028] Referring to Figure 5, there is shown a detailed flow diagram of the interrupt routine 113. When an interrupt is generated 112, the program determines if the interrupt is due to a match between the timer value and the duty cycle value. If so, this is considered a CAPCOM interrupt 114 and the next step is to write values 116 to a compare register and the pin ports directly from the PWM generation table.